

9/20/2006

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1640	(histone adj deacetylase) and (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide or hydroxamic or acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:38
L3	886	((histone adj deacetylase)with (inhibitor or inhibit)) and (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide or hydroxamic or acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:39
L4	563	((histone adj deacetylase)with (inhibitor or inhibit)) same (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide or hydroxamic or acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:52

## EAST Search History

L5	82	L4 and (aging or (life adj span) or longevity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:41
L6	36	L5 and ((superoxide adj dismutase) or (cytochrome adj P450) or (glutathione adj2 transferase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:48
L7	1	L6 and @ad<"20000624"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:44
L8	4	L5 and @ad<"20000624"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:48
L9	116	L4 and ((superoxide adj dismutase) or (cytochrome adj P450) or (glutathione adj2 transferase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:54
L10	5	L9 and @ad<"20000624"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:55
L11	563	((histone adj deacetylase)with (inhibitor or inhibit)) same (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:03
L13	15	L4 and ((increase or upregulat\$\$) with ((superoxide adj dismutase) or (cytochrome adj P450) or (glutathione adj2 transferase)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:56

## EAST Search History

L14	0	L13 and @ad<"20000624"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:58
L15	228	(aging or (life adj span) or longevity) and ((increase or upregulat\$\$) with ((superoxide adj dismutase) or (cytochrome adj P450) or (glutathione adj2 transferase)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:05
L16	69	L15 and @ad<"20000624"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:03
L17	0	L16 and (((histone adj deacetylase)with (inhibitor or inhibit)) same (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:01
L18	55	L16 and ((Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:09

## EAST Search History

L19	0	L16 and (((histone adj deacetylase)) same (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:02
L20	0	L16 and ((histone) same (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:06
L21	812	((increase or upregulat\$\$) with ((superoxide adj dismutase) or (cytochrome adj P450) or (glutathione adj2 transferase)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:10
L22	15	L21 and (((histone adj deacetylase)with (inhibitor or inhibit)) same (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:04

## EAST Search History

L23	0	L22 and @ad<"20000624"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:10
L24	198	(aging or (life adj span) or longevity) and ((increase or upregulat\$\$) with ((superoxide adj dismutase) or (cytochrome adj P450)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:05
L25	179	L24 and ((Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:05
L26	46	L25 and @ad<"20000624"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:08
L27	0	L26 and ((histone) same (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:06

## EAST Search History

L28	3	L26 and ((histone) and (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:11
L29	0	L26 and ((histone adj deacetylase) and (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric or acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:06
L30	15	L11 and (((increase or upregulat\$\$) with ((superoxide adj dismutase) or (cytochrome adj P450) or (glutathione adj2 transferase))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:08
L31	0	L30 and @ad<"20000624"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:08
L32	1	L16 and ((Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric adj acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:09

## EAST Search History

L33	102	((increase or upregulat\$\$) adj (expression or activity)) with ((superoxide adj dismutase) or (cytochrome adj P450) or (glutathione adj2 transferase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:10
L34	26	L33 and @ad<"20000624"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:10
L35	0	L34 and ((histone) and (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric adj acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:11
L36	0	L34 and ( (Trichostatin or trapoxin or (sodium adj butyrate) or (suberoylanilide adj hydroxamic adj acid) or (butyric adj acid) or (butyric adj acid adj derivative) or isobutyramide or monobutyryn or tributyrin or (2-phenylbutyric adj acid) or (3-phenylbutyric adj acid) or (4-phenylbutyric adj acid) or (phenylacetic adj acid) or (cinnamic adj acid) or (alpha-methyldihydrocinnamic adj acid) or (3-chloropropionic adj acid) or (vinyl adj acetic adj acid)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 14:11
S1	2	"20020120008"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 13:34
S2	2	"6664039".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:10

## EAST Search History

S3	2	"6906181".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:11
S4	3	"7018617".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:11
S5	2	"6815575".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:12
S6	2	"6664039".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:13
S7	2	"6303768".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:13
S8	2	"6623937".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:14
S9	2	"5679541".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/19 17:14



Dialog 09/895,141  
9/20/2006 LLM

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Set	Items	Description
S1	3838	S ((HISTONE (W) DEACETYLASE) (3N) (INHIBITOR OR INHIBIT)) (S) (TRICHOSTATIN OR TRAPOXIN OR (SODIUM (W) BUTYRATE) OR (SUBEROYLANILIDE (W) HYDROXAMIC (W) ACID) OR (BUTYRIC (W) ACID) OR (BUTYRIC (W) ACID (W) DERIVATIVE) OR ISOBUTYRAMIDE OR MONOBUTYRIN OR TRIBUTYRIN OR (2-PHENYLBUTYRIC (W) ACID) OR (3-PHENYLBUTYRIC (W) ACID) OR (4-PHENYLBUTYRIC (W) ACID) OR (PHENYLACETIC (W) ACID) OR (CINNAMIC (W) ACID) OR (ALPHA-METHYLDIHYDROCINNAMIC (W) ACID) OR (3-CHLOROPROPIONIC (W) ACID) OR (VINYL (W) ACETIC (W) ACID))
S2	62	S S1 AND (AGING OR (LIFE (W) SPAN) OR LONGEVITY)
S3	1	S S1 AND ((INCREASE OR EXTEND) (3N) (AGING OR (LIFE (W) SPAN) OR LONGEVITY))
S4	94	S S1 AND ((SUPEROXIDE (W) DISMUTASE) OR (CYTOCHROME (W) P450) OR (GLUTATHIONE (2N) TRANSFERASE))
S5	0	S S1 AND ((INCREASE OR UPREGULAT??) (3N) ((SUPEROXIDE (W) DISMUTASE) OR (CYTOCHROME (W) P450) OR (GLUTATHIONE (2N) TRANSFERASE)))
S6	3914	S ((INCREASE OR UPREGULAT??) (3N) ((SUPEROXIDE (W) DISMUTASE) OR (CYTOCHROME (W) P450) OR (GLUTATHIONE (2N) TRANSFERASE)))
S7	0	S S6 AND S1
S8	135	S S6 AND (AGING OR (LIFE (W) SPAN) OR LONGEVITY)
S9	25	S S6 AND ((INCREASE OR EXTEND) (3N) (AGING OR (LIFE (W) SPAN) OR LONGEVITY))
S10	8	RD (unique items)
S11	0	S S10 AND (HISTONE (W) DEACETYLASE)
S12	4	S S2 AND DROSOPHILA
S13	2	RD (unique items)
S14	62	S S2
S15	26	RD (unique items)
S16	17	S S15 NOT PD>000624
S17	1	S S16 AND ((DROSOPHILA (W) MELANOGASTER) OR (MUTANT (W) DROSOPHILA (W) MELANOGASTER) OR ((DROSOPHILA (W) MELANOGASTER) (2N) 118) OR ((DROSOPHILA (W) MELANOGASTER) (2N) (DOUBLE (W) ELEVEN (W) EIGHTEEN)))

?

[File 185] **Zoological Record Online(R)** 1978-2006/Sep  
(c) 2006 The Thomson Corp. All rights reserved.

[File 357] **Derwent Biotech Res.** 1982-2006/Sep W3  
(c) 2006 The Thomson Corp. All rights reserved.

[File 369] **New Scientist** 1994-2006/Aug W1  
(c) 2006 Reed Business Information Ltd. All rights reserved.

[File 370] **Science** 1996-1999/Jul W3  
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*\*File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 391] **Beilstein Reactions** 2006/Q3  
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[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec  
(c) 2006 The Thomson Corp. All rights reserved.

[File 467] **ExtraMED(tm)** 2000/Dec  
(c) 2001 Informania Ltd. All rights reserved.

? s ((histone (w) deacetylase)(3n) (inhibitor or inhibit)) (s)(Trichostatin or trapoxin  
or (sodium (w) butyrate) or (suberoylanilide (w) hydroxamic (w) acid) or (butyric (w)  
acid) or (butyric (w) acid (w) derivative) or isobutyramide or monobutyryn or tributyrin  
or (2-phenylbutyric (w) acid) or (3-phenylbutyric (w) acid) or (4-phenylbutyric (w) acid)  
or (phenylacetic (w) acid) or (cinnamic (w) acid) or (alpha-methyldihydrocinnamic (w)  
acid) or (3-chloropropionic (w) acid) or (vinyl (w)acetic (w) acid))

Processing

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159013	HISTONE
33494	DEACETYLASE
2175199	INHIBITOR
822380	INHIBIT
9624	TRICHOSTATIN
531	TRAPOXIN
2317927	SODIUM
65427	BUTYRATE
11343	SODIUM(W) BUTYRATE
1497	SUBEROYLANILIDE
27691	HYDROXAMIC
12380848	ACID
1470	SUBEROYLANILIDE (W) HYDROXAMIC (W) ACID
210377	BUTYRIC
12380848	ACID

204222 BUTYRIC (W) ACID  
 210377 BUTYRIC  
 12380848 ACID  
 1236452 DERIVATIVE  
 1406 BUTYRIC (W) ACID (W) DERIVATIVE  
 3842 ISOBUTYRAMIDE  
 71 MONOBUTYRIN  
 2973 TRIBUTYRIN  
 5 2-PHENYLBUTYRIC  
 12380848 ACID  
 0 2-PHENYLBUTYRIC (W) ACID  
 8 3-PHENYLBUTYRIC  
 12380848 ACID  
 0 3-PHENYLBUTYRIC (W) ACID  
 9 4-PHENYLBUTYRIC  
 12380848 ACID  
 0 4-PHENYLBUTYRIC (W) ACID  
 21643 PHENYLACETIC  
 12380848 ACID  
 19632 PHENYLACETIC (W) ACID  
 33295 CINNAMIC  
 12380848 ACID  
 28316 CINNAMIC (W) ACID  
 0 ALPHA-METHYLDIHYDROCINNAMIC  
 12380848 ACID  
 0 ALPHA-METHYLDIHYDROCINNAMIC (W) ACID  
 6 3-CHLOROPROPIONIC  
 12380848 ACID  
 0 3-CHLOROPROPIONIC (W) ACID  
 517573 VINYL  
 1318201 ACETIC  
 12380848 ACID  
 523 VINYL (W) ACETIC (W) ACID  
 S1 3838 S ((HISTONE (W) DEACETYLASE) (3N) (INHIBITOR OR INHIBIT)) (S) (TRICHOSTATIN  
 OR TRAPOXIN OR (SODIUM (W) BUTYRATE) OR (SUBEROYLANILIDE (W) HYDROXAMIC (W) ACID) OR  
 (BUTYRIC (W) ACID) OR (BUTYRIC (W) ACID (W) DERIVATIVE) OR ISOBUTYRAMIDE OR MONOBUTYRIN OR  
 TRIBUTYRIN OR (2-PHENYLBUTYRIC (W) ACID) OR (3-PHENYLBUTYRIC (W) ACID) OR (4-PHENYLBUTYRIC  
 (W) ACID) OR (PHENYLACETIC (W) ACID) OR (CINNAMIC (W) ACID) OR  
 (ALPHA-METHYLDIHYDROCINNAMIC (W) ACID) OR (3-CHLOROPROPIONIC (W) ACID) OR (VINYL (W) ACETIC  
 (W) ACID))  
 ? s s1 and (aging or (life (w) span) or longevity)  
 3838 S1  
 669938 AGING  
 2897084 LIFE  
 183594 SPAN  
 78547 LIFE (W) SPAN  
 114081 LONGEVITY  
 S2 62 S S1 AND (AGING OR (LIFE (W) SPAN) OR LONGEVITY)  
 ? s s1 and ((increase or extend) (3n) (aging or (life (w) span) or longevity))  
 Processing  
 3838 S1  
 5700055 INCREASE  
 265933 EXTEND  
 669938 AGING  
 2897084 LIFE  
 183594 SPAN  
 78547 LIFE (W) SPAN  
 114081 LONGEVITY  
 12667 ((INCREASE OR EXTEND) (3N) ((AGING OR LIFE (W) SPAN) OR LONGEVITY))

S3 1 S S1 AND ((INCREASE OR EXTEND) (3N) (AGING OR (LIFE (W) SPAN) OR LONGEVITY))

? t s3/medium

3/3/1 (Item 1 from file: 357) [Links](#)

Derwent Biotech Res.

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0302406 DBA Accession No.: 2003-04191 PATENT

**Increasing life span of organisms e.g. drosophila comprises administering histone deacetylase inhibitor drug screening and drug testing by analysis of effect on transfected cell RNA or DNA**

Author: BENZER S; MIN K

Patent Assignee: BENZER S; MIN K 2002

Patent Number: US 20020120008 Patent Date: 20020829 WPI Accession No.: 2002-731371 ( 200279 )

Priority Application Number: US 895141 Application Date: 20010629

National Application Number: US 895141 Application Date: 20010629

Language: English

? s s1 and ((superoxide (w) dismutase) or (cytochrome (w) P450) or (glutathione (2n) transferase))

3838 S1  
324266 SUPEROXIDE  
204167 DISMUTASE  
202119 SUPEROXIDE(W) DISMUTASE  
553622 CYTOCHROME  
197278 P450  
179360 CYTOCHROME(W) P450  
441274 GLUTATHIONE  
406682 TRANSFERASE  
151324 GLUTATHIONE(2N) TRANSFERASE

S4 94 S S1 AND ((SUPEROXIDE (W) DISMUTASE) OR (CYTOCHROME (W) P450) OR (GLUTATHIONE (2N) TRANSFERASE))

? S S1 AND ((increase or upregulat??) (3n) ((SUPEROXIDE (W) DISMUTASE) OR (CYTOCHROME (W) P450) OR (GLUTATHIONE (2N) TRANSFERASE)))

Processing

3838 S1  
5700055 INCREASE  
134937 UPREGULAT??  
324266 SUPEROXIDE  
204167 DISMUTASE  
202119 SUPEROXIDE(W) DISMUTASE  
553622 CYTOCHROME  
197278 P450  
179360 CYTOCHROME(W) P450  
441274 GLUTATHIONE  
406682 TRANSFERASE  
151324 GLUTATHIONE(2N) TRANSFERASE

3914 ((INCREASE OR UPREGULAT??) (3N) ((SUPEROXIDE(W) DISMUTASE OR CYTOCHROME(W) P450) OR GLUTATHIONE(2N) TRANSFERASE))

S5 0 S S1 AND ((INCREASE OR UPREGULAT??) (3N) ((SUPEROXIDE (W) DISMUTASE) OR (CYTOCHROME (W) P450) OR (GLUTATHIONE (2N) TRANSFERASE)))

? s ((INCREASE OR UPREGULAT??) (3N) ((SUPEROXIDE (W) DISMUTASE) OR (CYTOCHROME (W) P450) OR (GLUTATHIONE (2N) TRANSFERASE)))

Processing

5700055 INCREASE  
134937 UPREGULAT??  
324266 SUPEROXIDE  
204167 DISMUTASE  
202119 SUPEROXIDE(W) DISMUTASE  
553622 CYTOCHROME  
197278 P450  
179360 CYTOCHROME(W) P450  
441274 GLUTATHIONE  
406682 TRANSFERASE  
151324 GLUTATHIONE(2N) TRANSFERASE

S6 3914 S ((INCREASE OR UPREGULAT??) (3N) ((SUPEROXIDE (W) DISMUTASE) OR (CYTOCHROME (W) P450) OR (GLUTATHIONE (2N) TRANSFERASE)))

? s s6 and s1

3914 S6  
3838 S1

S7 0 S S6 AND S1

? s s6 and (aging or (life (w) span) or longevity)

3914 S6  
669938 AGING

2897084 LIFE  
 183594 SPAN  
 78547 LIFE(W) SPAN  
 114081 LONGEVITY  
 S8 135 S S6 AND (AGING OR (LIFE (W) SPAN) OR LONGEVITY)  
 ? S S6 AND ((INCREASE OR EXTEND) (3N) (AGING OR (LIFE (W) SPAN) OR LONGEVITY))  
 3914 S6  
 5700055 INCREASE  
 265933 EXTEND  
 669938 AGING  
 2897084 LIFE  
 183594 SPAN  
 78547 LIFE(W) SPAN  
 114081 LONGEVITY  
 12667 (INCREASE OR EXTEND) (3N) ((AGING OR LIFE(W) SPAN) OR LONGEVITY)  
 S9 25 S S6 AND ((INCREASE OR EXTEND) (3N) (AGING OR (LIFE (W) SPAN) OR LONGEVITY))

?  
 ? rd  
 >>>W: Duplicate detection is not supported for File 391.  
 Records from unsupported files will be retained in the RD set.  
 S10 8 RD (UNIQUE ITEMS)

? s s10 and (histone (w) deacetylase)  
 8 S10  
 159013 HISTONE  
 33494 DEACETYLASE  
 27927 HISTONE(W) DEACETYLASE  
 S11 0 S S10 AND (HISTONE (W) DEACETYLASE)

? t s10/medium/all

10/3/1 (Item 1 from file: 5) [Links](#)

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 Biosis Previews(R)

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0011426541 Biosis No.: 199800220788

### Upregulation of apoptosis with dietary restriction: Implications for carcinogenesis and aging

**Author:** James S Jill (Reprint); Muskhelishvili Levan; Gaylor David W; Turturro Angelo; Hart Ronald

**Author Address:** U.S. Food and Drug Adm., Natl. Cent. Toxicol. Res., Div. Biochem. Toxicol., 3900 NCTR Road, Jefferson, AR 72079, USA\*\*USA

**Journal:** Environmental Health Perspectives 106 ( SUPPL. 1 ): p 307-312 Feb., 1998 1998

**Medium:** print

**ISSN:** 0091-6765

**Document Type:** Article; Literature Review

**Record Type:** Abstract

**Language:** English

10/3/2 (Item 2 from file: 5) [Links](#)

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[SCIENCEDIRECT](#)

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0007702733 Biosis No.: 199191085624

**EFFECT OF AGE ON SUPEROXIDE DISMUTASE CATALASE GLUTATHIONE REDUCTASE  
INORGANIC PEROXIDES TBA-REACTIVE MATERIAL GSH-GSSG NADPH-NADP AND NADH-NAD  
IN DROSOPHILA-MELANOGASTER**

**Author:** SOHAL R S (Reprint); ARNOLD L; ORR W C

**Author Address:** DEP BIOL SCI, SOUTHERN METHODIST UNIVERSITY, DALLAS, TEXAS 75275,  
USA\*\*USA

**Journal:** Mechanisms of Ageing and Development 56 ( 3 ); p 223-236 1990

**ISSN:** 0047-6374

**Document Type:** Article

**Record Type:** Abstract

**Language:** ENGLISH

10/3/3 (Item 3 from file: 5) [Links](#)

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0006441806 Biosis No.: 198937019555

**THE EFFECT OF AGING AND DIETARY RESTRICTION ON GENE EXPRESSION BY LIVER TISSUE  
FROM MALE RATS**

**Author:** RICHARDSON A (Reprint); RAO G; HEYDARI A; XIA E; WU B

**Author Address:** DEP CHEM, ILL STATE UNIV, NORMAL, ILL 61761, USA\*\*USA

**Journal:** Journal of Cellular Biochemistry Supplement ( 13 PART C ): p 144 1989

**Conference/Meeting:** SYMPOSIUM ON MOLECULAR BIOLOGY OF AGING HELD AT THE 18TH ANNUAL  
UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND CELLULAR  
BIOLOGY, SANTA FE, NEW MEXICO, USA, MARCH 4-10, 1989. J CELL BIOCHEM SUPPL.

ISSN: 0733-1959

**Document Type:** Meeting

**Record Type:** Citation

**Language:** ENGLISH



10/3/4 (Item 1 from file: 24) [Links](#)

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0002116662 IP Accession No: 4501805

**Prolongation of Life in an Experimental Model of Aging in *Drosophila Melanogaster***

Jordens, RG; Berry, MD; Gillott, C; Boulton, AA Neuropsychiatry Research Unit, A114 Medical Research Building, University of Saskatchewan, 103 Wiggins Road, Saskatoon, Saskatchewan, Canada S7N 5E4, [mailto:rjordens@shaw.wave.ca]

Neurochemical Research , v 24 , n 2 , p 227-233 , February 1999

**Publication Date:** 1999

**Document Type:** Journal Article

**Record Type:** Abstract

**Language:** English

**Summary Language:** English

**ISSN:** 0364-3190

**File Segment:** Entomology Abstracts; CSA Neurosciences Abstracts

10/3/5 (Item 1 from file: 34) [Links](#)

Fulltext available through: [Ex Libris](#) [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)  
[SciSearch\(R\)](#) [Cited Ref Sci](#)

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14244672 **Genuine Article#:** 951TC **No. References:** 40

**Mitochondrial pathway is responsible for aging-related increase of tubular cell apoptosis in renal ischemia/reperfusion injury**

**Author:** Qiao X; Chen XM (REPRINT) ; Wu D; Ding R; Wang JH; Hong Q; Shi SZ; Li JJ; Xie YS; Lu Y; Wang ZX

**Corporate Source:** Chinese Gen Hosp,Kidney Ctr, Dept Nephrol,Fuxing Rd 28/Beijing 100853//Peoples R China/ (REPRINT); Chinese Gen Hosp,Kidney Ctr, Dept Nephrol,Beijing 100853//Peoples R China/; Chinese Gen Hosp,Key Lab PLA, Dept Nephrol,Beijing 100853//Peoples R China/ ( xmchen@public.bta.net.cn )

**Journal:** JOURNALS OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES , 2005 , V 60 , N7 ( JUL ) , P 830-839

**ISSN:** 1079-5006 **Publication date:** 20050700

**Publisher:** GERONTOLOGICAL SOCIETY AMER , 1275 K STREET NW SUITE 350, WASHINGTON, DC 20005-4006 USA

**Language:** English **Document Type:** ARTICLE ( ABSTRACT AVAILABLE )

10/3/6 (Item 2 from file: 34) [Links](#)

Fulltext available through: [Ex Libris](#) [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)  
SciSearch(R) Cited Ref Sci

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06240929 **Genuine Article#:** YD967 **No. References:** 104

**New directions for studying the role of free radicals in aging**

**Author:** Pahlavani MA (REPRINT) ; VanRemmen H

**Corporate Source:** AUDIE MURPHY MEM VA HOSP,CTR GERIATR RES EDUC & CLIN 182, 7400  
MERTON MINTER BLVD/SAN ANTONIO//TX/78284 (REPRINT); UNIV TEXAS,HLTH SCI CTR, DEPT  
PHYSIOL/SAN ANTONIO//TX/78284

**Journal:** AGE , 1997 , V 20 , N3 ( JUL ) , P 151-163

**ISSN:** 0161-9152 **Publication date:** 19970700

**Publisher:** AMER AGING ASSOC , 2129 PROVIDENCE AVENUE, CHESTER, PA 19013

**Language:** English **Document Type:** REVIEW ( ABSTRACT AVAILABLE )

10/3/7 (Item 1 from file: 73) [Links](#)

Fulltext available through: [Ex Libris](#) [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)  
EMBASE

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13836731 EMBASE No: 2006258360

**The necessity of having a proper dose of (-)deprenyl (D) to prolong the life spans of rats explains discrepancies among different studies in the past**

Kitani K.; Kanai S.; Miyasaka K.; Carrillo M.C.; Ivy G.O.

K. Kitani, National Institute for Longevity Sciences, 36-3, Gengo, Morioka-cho, Obu-shi, Aichi 474-8522 Japan

Author Email: [kitani@nils.go.jp](mailto:kitani@nils.go.jp)

Annals of the New York Academy of Sciences ( ANN. NEW YORK ACAD. SCI. ) ( United States ) 2006 , 1067/1 (375-382)

CODEN: ANYAA ISSN: 0077-8923 eISSN: 1749-6632

Document Type: Journal ; Conference Paper

Language: ENGLISH Summary Language: ENGLISH

Number Of References: 20

10/3/8 (Item 2 from file: 73) [Links](#)

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[SCIENCEDIRECT](#)

EMBASE

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04532222 EMBASE No: 1991026264

**Effect of age on superoxide dismutase, catalase, glutathione reductase, inorganic peroxides, TBA-reactive material, GSH/GSSG, NADPH/NADPsup + and NADH/NADsup + in *Drosophila melanogaster***

Sohal R.S.; Arnold L.; Orr W.C.

Department Biological Sciences, Southern Methodist University, Dallas, TX 75275 United States

Mechanisms of Ageing and Development ( MECH. AGEING DEV. ) ( Ireland ) 1990 , 56/3 (223-235)

CODEN: MAGDA ISSN: 0047-6374

**Document Type:** Journal ; Article

**Language:** ENGLISH **Summary Language:** ENGLISH

? d s

Set	Items	Description
S1	3838	S ((HISTONE (W) DEACETYLASE) (3N) (INHIBITOR OR INHIBIT)) (S) (TRICHOSTATIN OR TRAPOXIN OR (SODIUM (W) BUTYRATE) OR (SUBEROYLANILIDE (W) HYDROXAMIC (W) ACID) OR (BUTYRIC (W) ACID) OR (BUTYRIC (W) ACID (W) DERIVATIVE) OR ISOBUTYRAMIDE OR MONOBUTYRIN OR TRIBUTYRIN OR (2-PHENYLBUTYRIC (W) ACID) OR (3-PHENYLBUTYRIC (W) ACID) OR (4-PHENYLBUTYRIC (W) ACID) OR (PHENYLACETIC (W) ACID) OR (CINNAMIC (W) ACID) OR (ALPHA-METHYLDIHYDROCINNAMIC (W) ACID) OR (3-CHLOROPROPIONIC (W) ACID) OR (VINYL (W) ACETIC (W) ACID))
S2	62	S S1 AND (AGING OR (LIFE (W) SPAN) OR LONGEVITY)
S3	1	S S1 AND ((INCREASE OR EXTEND) (3N) (AGING OR (LIFE (W) SPAN) OR LONGEVITY))
S4	94	S S1 AND ((SUPEROXIDE (W) DISMUTASE) OR (CYTOCHROME (W) P450) OR (GLUTATHIONE (2N) TRANSFERASE))
S5	0	S S1 AND ((INCREASE OR UPREGULAT??) (3N) ((SUPEROXIDE (W) DISMUTASE) OR (CYTOCHROME (W) P450) OR (GLUTATHIONE (2N) TRANSFERASE)))
S6	3914	S ((INCREASE OR UPREGULAT??) (3N) ((SUPEROXIDE (W) DISMUTASE) OR (CYTOCHROME (W) P450) OR (GLUTATHIONE (2N) TRANSFERASE)))
S7	0	S S6 AND S1
S8	135	S S6 AND (AGING OR (LIFE (W) SPAN) OR LONGEVITY)
S9	25	S S6 AND ((INCREASE OR EXTEND) (3N) (AGING OR (LIFE (W) SPAN) OR LONGEVITY))
S10	8	RD (unique items)
S11	0	S S10 AND (HISTONE (W) DEACETYLASE)

? s s2 and drosophila

Set	Items	Description
	62	S2
	408983	DROSOPHILA
S12	4	S S2 AND DROSOPHILA

? rd

>>>W: Duplicate detection is not supported for File 391.  
Records from unsupported files will be retained in the RD set.  
S13 2 RD (UNIQUE ITEMS)

? t s12/medium/all

12/3/1 (Item 1 from file: 5) [Links](#)

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0015067353 Biosis No.: 200400448142

**Trichostatin a extends the lifespan of Drosophila melanogaster by elevating hsp22 expression**

**Author:** Tao Dan; Lu Jun; Sun Hui; Zhao Yan-Mei; Yuan Zhi-Gen; Li Xiao-Xue; Huang Bai-Qu (Reprint)

**Author Address:** Inst Genet and Cytol, NE Normal Univ, Changchun, 130024, China\*\*China

**Author E-mail Address:** huangbq@nenu.edu.cn

**Journal:** Acta Biochimica et Biophysica Sinica 36 ( 9 ): p 618-622 September 2004 2004

**Medium:** print

**ISSN:** 1672-9145 (ISSN print)

**Document Type:** Article

**Record Type:** Abstract

**Language:** English

12/3/2 (Item 1 from file: 34) [Links](#)

Fulltext available through: [Ex Libris](#) [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)  
[SciSearch\(R\)](#) [Cited Ref Sci](#)

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13167941 **Genuine Article#:** 855PV **No. References:** 20

**Trichostatin a extends the lifespan of *Drosophila melanogaster* by elevating hsp22 expression**

**Author:** Tao D; Lu J; Sun H; Zhao YM; Yuan ZG; Li XX; Huang BQ (REPRINT)

**Corporate Source:** NE Normal Univ,Inst Genet & Cytol,Changchun 130024//Peoples R China/ (REPRINT); NE Normal Univ,Inst Genet & Cytol,Changchun 130024//Peoples R China/ ( huangbq@nenu.edu.cn )

**Journal:** ACTA BIOCHIMICA ET BIOPHYSICA SINICA , 2004 , V 36 , N9 ( SEP ) , P 618-622

**ISSN:** 1672-9145 **Publication date:** 20040900

**Publisher:** SHANGHAI INST BIOCHEMISTRY, ACADEMIA SINICA , 320 YUE-YANG ROAD, SHANGHAI 20031, PEOPLES R CHINA

**Language:** English **Document Type:** ARTICLE ( ABSTRACT AVAILABLE )

12/3/3 (Item 1 from file: 155) [Links](#)

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MEDLINE(R)

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15056933 **PMID:** 15346199

**Trichostatin A extends the lifespan of *Drosophila melanogaster* by elevating hsp22 expression.**

Tao Dan; Lu Jun; Sun Hui; Zhao Yan-Mei; Yuan Zhi-Gen; Li Xiao-Xue; Huang Bai-Qu

Institute of Genetics and Cytology, Northeast Normal University, Changchun 130024, China.

Acta biochimica et biophysica Sinica ( China ) Sep 2004 , 36 (9) p618-22 , **ISSN:** 1672-9145--Print **Journal Code:** 101206716

Publishing Model Print

**Document type:** Journal Article

**Languages:** ENGLISH

**Main Citation Owner:** NLM

**Record type:** MEDLINE; Completed



12/3/4 (Item 1 from file: 357) [Links](#)

Derwent Biotech Res.

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0302406 DBA Accession No.: 2003-04191 PATENT

**Increasing life span of organisms e.g. drosophila comprises administering histone deacetylase inhibitor drug screening and drug testing by analysis of effect on transfected cell RNA or DNA**

**Author:** BENZER S; MIN K

**Patent Assignee:** BENZER S; MIN K 2002

**Patent Number:** US 20020120008 **Patent Date:** 20020829 **WPI Accession No.:** 2002-731371 ( 200279 )

**Priority Application Number:** US 895141 **Application Date:** 20010629

**National Application Number:** US 895141 **Application Date:** 20010629

**Language:** English

? s s2

S14 62 S S2

? rd

>>>W: Duplicate detection is not supported for File 391.  
Records from unsupported files will be retained in the RD set.  
S15 26 RD (UNIQUE ITEMS)

? s s15 not pd>000624

Processing

Processing

Processing

>>>W: File 24 processing for PD=000624 : PD=.  
started at PD=20000625 stopped at PD=20060322  
File 34 processing for PD=000624 : PD=.  
started at PD=20000625 stopped at PD=20051120  
One or more prefixes are unsupported  
or undefined in one or more files.  
File 45 processing for PD=000624 : PD=.  
started at PD=20000625 stopped at PD=20060714  
File 71 processing for PD=000624 : PD=.  
started at PD=000625 stopped at PD=060420  
File 73 processing for PD=000624 : PD=.  
started at PD=000625 stopped at PD=060216  
File 98 processing for PD=000624 : PD=.  
started at PD=20000626 stopped at PD=20060714  
File 135 processing for PD=000624 : PD=.  
started at PD=20000625 stopped at PD=20060914  
File 144 processing for PD=000624 : PD=.  
started at PD=20000625 stopped at PD=20060418  
26 S15  
16661027 PD>000624  
S16 17 S S15 NOT PD>000624

? s s16 and ((Drosophila (w) melanogaster) or (mutant (w) Drosophila (w) melanogaster) or  
((Drosophila (w) melanogaster) (w) (w118)) or ((Drosophila (w) melanogaster) (2n)(double  
(w) eleven (w) eighteen)))

>>>W: Operator "(118W)" in invalid position

>>>E: There is no result

? s s16 and ((Drosophila (w) melanogaster) or (mutant (w) Drosophila (w) melanogaster) or  
((Drosophila (w) melanogaster) (2n) 118) or ((Drosophila (w) melanogaster) (2n)(double (w)  
eleven (w) eighteen)))

Processing

17 S16  
408983 DROSOPHILA  
179319 MELANOGASTER  
170322 DROSOPHILA(W)MELANOGASTER  
1131926 MUTANT  
408983 DROSOPHILA  
179319 MELANOGASTER  
291 MUTANT(W) DROSOPHILA(W)MELANOGASTER  
408983 DROSOPHILA  
179319 MELANOGASTER  
123070 118  
0 DROSOPHILA(W)MELANOGASTER(2N)118  
408983 DROSOPHILA  
179319 MELANOGASTER  
1927196 DOUBLE  
234123 ELEVEN

132133 EIGHTEEN  
0 DROSOPHILA (W) MELANOGASTER (2N) DOUBLE (W) ELEVEN (W) EIGHTEEN  
S17 1 S S16 AND ((DROSOPHILA (W) MELANOGASTER) OR (MUTANT (W) DROSOPHILA (W)  
MELANOGASTER) OR ((DROSOPHILA (W) MELANOGASTER) (2N) 118) OR ((DROSOPHILA (W)  
MELANOGASTER) (2N) (DOUBLE (W) ELEVEN (W) EIGHTEEN)))

? t s17/free

17/8/1 (Item 1 from file: 5) [Links](#)

0015067353 Biosis No.: 200400448142

**Trichostatin a extends the lifespan of Drosophila melanogaster by elevating hsp22 expression**

2004